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(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/220) as well as, where applicable, item 5 belo				
PHNL021417 International application No.					
тетавна арриоавит но.	International filing date (day/month/yea	r) (Earliest) Priority Date (day/month/year)			
PCT/IB 03/06014	08/12/2003	14/12/2002			
Applicant					
KONINKLIJKE PHILIPS ELI	CTRONICS N.V.				
This International Search Report has according to Article 18. A copy is bei	s been prepared by this International Searchinging transmitted to the International Bureau.	Authority and is transmitted to the applicant			
	sists of a total of4 sheets. ed by a copy of each prior art document cited in	n this report.			
Basis of the report		•			
a. With regard to the language language in which it was filed	, the international search was carried out on th d, unless otherwise indicated under this item.	e basis of the international application in the			
the international sea Authority (Rule 23.1(rch was carried out on the basis of a translation b)).	n of the international application furnished to this			
b. With regard to any nucleotid was carried out on the basis	le and/or amino acid sequence disclosed in to the sequence listing:	the International application, the international search			
1	rnational application in written form.				
	e international application in computer readable	e form.			
· · · · · · · · · · · · · · · · · · ·	tly to this Authority in written form.				
l ,—,	tly to this Authority in computer readble form.				
international application	e subsequently furnished written sequence listi ion as filed has been furnished.	ing does not go beyond the disclosure in the			
the statement that the furnished	the statement that the information recorded in computer readable form is identical to the written sequence listing has been				
2. Certain claims were	found unsearchable (See Box I).				
3. Unity of invention is	Unity of invention is lacking (see Box II).				
4. With regard to the title,					
the text is approved a	as submitted by the applicant.				
	ablished by this Authority to read as follows:				
	OD OF MANUFACTORING A TRENCH-GATE SEMICONDUCTOR DEVICE				
5. With regard to the abstract,					
	is submitted by the seelless.				
the text has been est	is submitted by the applicant. ablished, according to Rule 38.2(b), by this Aut n the date of mailing of this international search	thority as it appears in Box III. The applicant may,			
	published with the abstract is Figure No.	1a-1c			
as suggested by the a		None of the figures.			
because the applican	t falled to suggest a figure.	L. J. Mario di Mo Mgaros.			
	etter characterizes the invention.				
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Internat Application No

A 01 400			PCT/IB 03	3/06014
ÎPC 7	SIFICATION OF SUBJECT MATTER H01L21/336 H01L29/78 H01L29	9/423		
According	to International Patent Classification (IPC) or to both national clas	sification and IPC		
	SSEARCHED			
110 /	documentation searched (classification system followed by classifi HO1L			
	ation searched other than minimum documentation to the extent th			
EPO-In	data base consulted during the international search (name of data internal, INSPEC	t base and, where practical, s	earch terms used	1)
С. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the	relevant passages		Relevant to claim No.
X	WO 00 72372 A (GRABOWSKI WAYNE B ;WILLIAMS RICHARD K (US)) 30 November 2000 (2000-11-30) * the whole document * page 22, line 6 - line 28; figures 18A-F,			10
Y				1–9
Y	EP 0 801 426 A (HARRIS CORP) 15 October 1997 (1997-10-15) column 7, line 4 - line 17; figures 3A-C		1–9	
	-/			
	er documents are listed in the continuation of box C.	X Patent family mem	bers are listed in	annex.
'A' documen	egories of cited documents: all defining the general state of the art which is not	"T" later document publishe or priority date and not cited to understand to		
'E' earlier do filing dai	ocument but published on crafter the International le	invention "X" document of particular r	spormoon the el-	ory underlying the
citation	t which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified)	involve an inventive sta	elovance the docu	e considered to iment is taken alone
P' document	nt referring to an oral disclosure, use, exhibition or eans it published prior to the International filling date but in the priority date claimed	document is combined ments, such combinati in the art.	with one or more on being obvious	mive step when the colher such docu— to a person skilled
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lame and ma	illing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer		
	ты. — 2260 ну нцзмүк Tel. (+31−70) 340–3016, Тх. 31 651 epo nl, Fax: (+31−70) 340–3016	Lantier, R	}	





PCT/IB 03/06014

C.(Contin	uation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/IB 0	3/06014
Category 6	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	Citation of document, with indication, where appropriate, of the relevant passages LU C Y ET AL: "Thermal oxidation of heavily boron-implanted polycrystalline-silicon films" JOURNAL OF APPLIED PHYSICS, 15 MAY 1986, USA, vol. 59, no. 10, pages 3574-3576, XP002275941 ISSN: 0021-8979 * the whole document *		Relevant to claim No.

Form PCT/ISA/210 (continuation of second sheet) (January 2004)





Internat Application No
PCT/IB 03/06014

					101710 00700014		
Patent document cited in search report		Publication date		Patent family member(s)	Publication date	_	
WO 0072372	A	30-11-2000	US AU CN EP JP TW WO US	6291298 B1 5044600 A 1360735 T 1186019 A1 2003509836 T 457629 B 0072372 A1 2001026961 A1	18-09-2001 12-12-2000 24-07-2002 13-03-2002 11-03-2003 01-10-2001 30-11-2000 04-10-2001		
EP 0801426	A	15-10-1997	US EP JP US	5770878 A 0801426 A2 10032335 A 6368920 B1	23-06-1998 15-10-1997 03-02-1998 09-04-2002		